INDEFINITE DELIVERY INDEFINITE QUANTITY PROFESSIONAL SERVICES AGREEMENT BETWEEN THE TEXAS FACILITIES COMMISSION AND ATKINS NORTH AMERICA, INC.

TFC CONTRACT NO. 18-044-000

ASSIGNMENT NO. 2

THIS INDEFINITE DELIVERY INDEFINITE QUANTITY ASSIGNMENT NO. 2 (hereinafter referred to as "Assignment No. 2" or "Assignment") is entered into by and between the Texas Facilities Commission, located at 1711 San Jacinto Boulevard, Austin, Texas 78701 (hereinafter referred to as "TFC") and Atkins North America, Inc., located at 11801 Domain Boulevard, Suite 500, Austin, Texas 78758 (hereinafter referred to as "PSP") (TFC and PSP are hereinafter referred to individually as a "Party" or collectively as "Parties"), to be subject to the terms and conditions that follow:

DESCRIPTION OF PROJECT: The project for which PSP agrees to provide Professional Services is generally described as providing fire protection and engineering services at the request of the Department of State Health Services. Services shall include, but are not limited to a Fire and Life Safety Assessment and Report to assess how emergency systems should operate by current codes and assure that the systems are property functioning at the Dr. Bob Glaze Laboratory (DBGL) building located at 1100 49th Street, Austin, Texas (hereinafter referred to as the "Project"), as further depicted in "Exhibit A-2," PSP's IDIQ Assignment No. 2 Proposal dated February 12, 2020, attached hereto and incorporated herein for all purposes and consisting of seventeen (17) pages.

DURATION OF ASSIGNMENT: The scope of services of this Assignment No. 2 shall be completed no later than March 31, 2021, unless terminated earlier as provided in Section 3.2 of the Agreement. The schedule is subject to adjustments for possible time extension; however, any extension of time must be approved by the TFC and shall require an amendment to Assignment No. 2.

SPECIAL TERMS AND CONDITIONS OF ASSIGNMENT: Terms and conditions shall be in accordance with the Agreement, any Special Conditions, and with this Assignment No. 2.

SUB-CONTRACTORS TO BE UTILIZED FOR PROJECT: PSP shall perform the services under this Assignment No. 2 with its own forces unless otherwise specified. If the scope of services is less than $100,000.00, a HUB Subcontracting Plan (HSP) is not required. If the scope of services will exceed $100,000.00, PSP shall submit an HSP for approval pursuant to Section 11.2 of the Agreement.

FEE FOR BASIC SERVICES: Fee for the services set forth in this Assignment No. 2 shall not exceed the sum of One Hundred Seventy-Three Thousand Seven Hundred Fifty-Five and 80/100 Dollars ($173,755.80). No more frequently than once per month, PSP shall submit a Pay Application to TFC for services performed and reasonable and necessary costs and expenses incurred through the last day of the previous month. Any reimbursable expenses, if allowed, shall be in accordance with Section 4.6 of the Agreement.

IDENTIFICATION OF PSP PROJECT MANAGER AND ALL SUBCONTRACTOR: For this Assignment No. 2, PSP shall identify the Project Manager, PSP's employees and all subcontractors assigned to this project on the List of Project Manager and Subcontractors (hereinafter referred to as the "List"), attached hereto and incorporated herein for all purposes as "Exhibit B-2."

TFC reserves the right to approve the appointment of the PSP Project Manager and to demand that the Project Manager, and any of PSP's employees or subcontractors, be removed and replaced if, in the sole opinion of TFC, their performance on this project or any other projects, is and/or was inadequate or their continued involvement with the Project is, will, or has become detrimental to the timely and successful completion of the project.

The Project Manager and Subcontractors identified in the List shall not be replaced by PSP, nor shall any other subcontractors be engaged by PSP, unless prior written consent is obtained from TFC, which consent shall not be unreasonably withheld, conditioned, or delayed.

[This Space Intentionally Left Blank]

ENTIRE AGREEMENT AND MODIFICATION: The Agreement and this Assignment and their integrated attachment(s) constitute the entire agreement of the Parties and such are intended as a complete and exclusive statement of the promises, representations, negotiations, discussions, and other agreements that may have been made in connection with the subject matter hereof. Unless an integrated attachment to this Assignment specifically displays a mutual intent to amend a particular part of this Assignment, general conflicts in language between any such attachment and this Assignment shall be construed consistently with the terms of this Assignment. Unless otherwise expressly authorized by the terms of this Assignment, no modification, renewal, extension, or amendment to this Assignment shall be binding upon the Parties unless the same is in writing and signed by the respective Parties hereto.

This Assignment shall be effective as of the date of the last Party to sign.

TEXAS FACILITIES COMMISSION

DocuSigned by:
By: Mike Novak
B1C9FC0A8020417...

Mike Novak

Executive Director

Date of execution: 02/27/2020 | 9:33 AM CST

ATKINS NORTH AMERICA, INC.

DocuSigned by:
By: Dale Austin
264902F08A60466...

Dale Austin

National Architecture Director

Date of execution: 02/27/2020 | 9:32 AM CST

GC CR

Dir MW

DED

EXHIBIT A-2

PSP'S IDIQ ASSIGNMENT NO. 2 PROPOSAL DATED DECEMBER 12, 2019

ATKINS

Atkins North America, Inc.
11801 Domain Boulevard, Suite 450 and 500
Austin, Texas 78758

Telephone: +1.512.327.6840
Fax: +1.512.327.2453

www.atkinsglobal.com/northamerica

February 12, 2020

Kevin Sandberg
1711 San Jacinto
Austin, Texas 78701

Re: TFC Contract: 18-044-000
Indefinite Delivery Indefinite Quantity (IDIQ)
Task Order 2: Life Safety Assessment and Report at DBGL
Fee Proposal (Revised)

Mr. Sandberg,

Atkins is currently contracted to provide prime professional services for implementation of Deferred Maintenance items at the Dr. Bob Glaze Laboratory Building (DBGL) Austin, Texas. Discoveries resulting from the mechanical work, electrical work, and the installation of a new Fire Alarm Control Panel have created concern that the original life safety mechanical design for the seven-story building (exhaust controls, stairwell pressurization, damper location, damper actuation, etc.) may not have been fully implemented and is certainly not functioning optimally.

As initially discussed in our meeting of Tuesday, June 18, 2019, TFC desires to produce a functional assessment of the life safety systems at the DBGL Building.

This comprehensive evaluation requires specialized expertise outside of the capabilities of the current architectural and MEP team. To this end, Atkins is proposing to retain the firm Fire Protection Consulting Group (FPCG) LLC to perform the majority of the assessment as a sub-consultant. Their detailed proposal to Atkins, dated November 21,2019, is attached. (FPCG proposal has been revised from the original proposal of September 26, 2019 to reflect revised scope as discussed on October 16, 2019).

Our proposal also includes effort from IDIQ team MEP sub consultant H2MG to assist FPCG in their assessment, and to prepare a Sequence of Operations for the fire alarm control panel to fully implement the final life safety design. Their proposal dated December 4, 2019 is attached.

Atkins will facilitate production, document team meetings, and provide quality control purview from our senior mechanical and fire protection engineers, in addition to administering the work.

In offering this proposal, Atkins is relying entirely on TFC's evaluation that the scope of work as proposed by FPCG will meet the goals desired by TFC. This proposal does not include a calendar-based schedule.

Compensation

We propose to provide the above listed services for a lump sum fee of **$ 173,755.80.**

ATKINS

Atkins North America, Inc.
11801 Domain Boulevard, Suite 450 and 500
Austin, Texas 78758

Telephone: +1.512.327.6840
Fax: +1.512.327.2453

www.atkinsglobal.com/northamerica

Fee Breakdown

FPCG lump sum		$ 93,115.00
H2MG lump sum		$ 30,200.00
Atkins labor		
Sr. Architect IV	74 hours @ $ 194.14	$ 14,366.36
Sr. Architect II	54 hours @ $ 137.92	$ 7,447.68
Sr. Mechanical Engineer IV	40 hours @ $ 215.00	$ 8,600.00
Sr. Fire Protection Engineer	36 hours @ $ 194.14	$ 6,989.04
Administrative Asst.	19 hours @ $ 89.12	$ 1,693.28
Project Manager	60 hours @ $ 178.20	$ 10,692.00
Project Director	3 hours @ $ 217.48	$ 652.44
Total		$ 173,755.80

We hope that you find our proposal acceptable. We look forward to continuing this project and our successful relationship.

Sincerely,

Dale Austin, AIA, CDT
Group Manager

512 372 1243

Encl: FPCG proposal dated November 21, 2019
H2MG Proposal dated December 4, 2019
Atkins cost breakdown dated February 12, 2020
Scope of Work per the perspective of Laboratory Services presented June 18, 2019

Copy: Steve Moller

SNC·LAVALIN ATKINS Member of the SNC-Lavalin Group

Cost Proposal - By Task

Life Safety Assessment
Texas Facilities Commission
IDIQ Task Order 2

Submittal Date: Feb-10-2020

Task ID	Description	Price
01000	Internal Project Administration	10,448.44
02000	Meetings	7,377.32
03000	Production	134,137.92
04000	Quality Control	21,792.12
	Total Extended Price	**$173,755.80**

SNC·LAVALIN ATKINS Member of the SNC-Lavalin Group

Cost Proposal - By Task and Cost Type

Life Safety Assessment
Texas Facilities Commission
IDIQ Task Order 2

Submittal Date: Feb-10-2020

Task#	Description	Labor	Subcontract & Consultants	Equipment	Travel	ODCs	Award/Fixed Fee	Total Price
01000	Internal Project Administration	10,448.44	-	-	-	-	-	10,448.44
02000	Meetings	7,377.32	-	-	-	-	-	7,377.32
03000	Production	10,822.92	123,315.00	-	-	-	-	134,137.92
04000	Quality Control	21,792.12	-	-	-	-	-	21,792.12
	Total	**50,440.80**	**123,315.00**	**-**	**-**	**-**	**-**	**173,755.80**
						Total Extended Price		**173,755.80**

SNC·LAVALIN ATKINS Member of the SNC-Lavalin Group

Cost Proposal - Detail

Life Safety Assessment
Texas Facilities Commission
IDIQ Task Order 2

Submittal Date: Feb-10-2020

Task#	Resource Category	Description	O/H Pool	Rate	Unit	Qtty	Extended Price
01000	**Internal Project Administration**						
	Labor						
		Sr Project Director	Home	217.48	Hr	3.0	652.44
		Project Manager	Home	178.20	Hr	36.0	6,415.20
		Sr Architect II	Home	137.92	Hr	6.0	827.52
		Mechanical Senior Engineer IV	Home	215.00	Hr	4.0	860.00
		Sr Project Assistant	Home	89.12	Hr	19.0	1,693.28
	Labor Total					**68**	**10,448.44**
01000	**Internal Project Administration Total**						**10,448.44**
02000	**Meetings**						
	Labor						
		Sr Architect IV	Home	194.14	Hr	38.0	7,377.32
	Labor Total					**38**	**7,377.32**
02000	**Meetings Total**						**7,377.32**
03000	**Production**						
	Labor						
		Project Manager	Home	178.20	Hr	12.0	2,138.40
		Sr Architect IV	Home	194.14	Hr	22.0	4,271.08
		Sr Architect II	Home	137.92	Hr	32.0	4,413.44
	Labor Total					**66**	**10,822.92**
	Subcontract & Consultants						**123,315.00**
		FPCG		1.0	-	93,115.0	93,115.00
		H2MG		1.0	-	30,200.0	30,200.00
	Subcontract and Expenses Total						**123,315.00**
03000	**Production Total**						**134,137.92**

SNC·LAVALIN ATKINS Member of the SNC-Lavalin Group

Cost Proposal - Detail

Life Safety Assessment
Texas Facilities Commission
IDIQ Task Order 2

Submittal Date: Feb-10-2020

Task#	Resource Category	Description	O/H Pool	Rate	Unit	Qtty	Extended Price
04000	**Quality Control**						
	Labor						
		Project Manager	Home	178.20	Hr	12.0	2,138.40
		Sr Architect IV	Home	194.14	Hr	14.0	2,717.96
		Sr Architect II	Home	137.92	Hr	16.0	2,206.72
		Mechanical Senior Engineer IV	Home	215.00	Hr	36.0	7,740.00
		Fire Protection Senior Engineer IV	Home	194.14	Hr	36.0	6,989.04
	Labor Total					**114**	**21,792.12**
04000	**Quality Control Total**						**21,792.12**
	Total Extended Price						**173,755.80**

339 Sandalwood Lane
San Antonio, Texas 78216

FPCG
Fire Protection Consulting Group, LLC

www.FIREpcg.com
Main Office +1 210.858.2389

November 21, 2019

Mr. Stephen Moller, AIA
Atkins Group
11801 Domain Blvd., Suite 500
Austin, Texas 78758

Via e-mail: Stephen.Moller@atkinsglobal.com

RE: **Proposal for Fire Protection Engineering**
TFC 10 HHSC Building Assessment
Dr. Bob Glaze Laboratory
4900 Lamar Blvd.
Austin, Texas 78751

Dear Mr. Sandberg:

Fire Protection Consulting Group, LLC (FPCG) is pleased to offer our services for this project to Texas Facilities Commission (Client). It is understood that the project involves the analysis of the existing stairwells and lab rooms in the above noted building which is currently undergoing a mechanical renovation project. It is understood that this is a seven-story lab building of 180,000 square feet and which was designed in 1998 and opened in 2003.

It is also understood that the following issues were identified during the current mechanical renovation project:

- Laboratory fume hoods remain on during emergencies which result in excessive door pull forces in the means of egress.
- There is insufficient existing documentation as to the operation and functionality of the two stair pressurization systems.
- A new fire alarm system (panel) was recently installed with the intent to remove the smoke control functions (stair pressurization) from the BAS and integrate such with the FACP. Recent tests indicate functionality issues exist between the new FACP and the stair pressurization systems and mechanical systems (damper / fans).

It is further understood that the building is fully occupied and functional and any physical testing would need to occur after hours or during weekends, and on select days. General observation surveys can occur during occupied hours. FPCG staff working within the building will be badged through the TFC process or escorted by badged personnel.

SCOPE OF WORK

Life Safety Assessment:

- FPCG will review the available construction documents in order to identify if the required fire or smoke rated wall locations noted on the plans under the original code provisions. If none are provided, FPCG will develop life-safety plans identifying where rated walls are required per the existing building provisions of NFPA 101. The life safety plans will include the locations of fire and smoke barrier walls (required for smoke compartments) and smoke partition walls (required for corridors), but will not include an evaluation of the existing means of egress in order to identify required exit stairs, horizontal exits, exit passageways, etc. This effort will result in one report of our findings and 8 full-size Life-Safety drawings (7 stories and the roof).
- Assessment of conditions of the readily accessible areas of the building and review of as-built conditions in accordance with 2015 Life Safety Code (as applied to existing buildings) related to

the stair pressurization systems, fire alarm system, fire sprinkler / standpipe system, and means of egress (egress width, occupant load, travel distance, dead end corridors, door swing and locking mechanisms) and fire/smoke resistance rated walls/horizontal assemblies associated with occupancy separations, corridors, shafts, stair enclosures, elevator hoistways and fire/smoke compartmentalization related to the smoke control systems. This scope does not include testing, operation or functionality of any system. Where minor floor plan changes are discovered compared to the electronic files provided to FPCG, the plans will be updated as part of the Life-Safety Drawings noted above. This scope does not include major or complete re-drawing of floor plans. Should significant changes be noted in the field, FPCG will notify the Client for determining the best path forward.

- The deliverable for this scope of work will be one draft and one final report of findings and recommendations to include:
    - Basis of survey
    - Building description (construction date, area, type of construction (NFPA), stories, occupancy, use, corridors, level of exit discharge)
    - Fire protection and life safety systems (sprinklers, smoke detection, smoke alarms, extinguishers, means of egress as noted above, smoke control, standpipes, elevators)
    - Identification of deficiencies and basis of finding (code reference)
    - Conditions that do not meet the standards for existing buildings.
    - Conditions that may not meet the standards for new construction that were applicable at time of construction
    - Recommended corrective action including priority ranking and Opinion of Probable Cost for each recommendation
    - Photo-documentation of findings and conditions, as necessary
- FPCG has included up to four meetings in Austin, Texas as part of this scope of work.
    - Project kickoff, initial conditions review
    - Interim meeting to discuss significant findings
    - Follow-up meeting (if needed)
    - Final presentation of report and findings
- This scope of work includes seven (7) days on-site to observe existing conditions.

Fire Sprinkler / Fire Pump / Standpipe Review and Inspection Services:

- Not included in this proposal (except as related to the stair pressurization systems and life safety assessment noted herein).

Smoke Control Analysis:

- FPCG will provide the smoke control design criteria at the time the building was constructed. FPCG understands that the building may have gone through some minor remodels over the years to present date and will analyze the information provided as it pertains to the smoke control system.
- This scope of work includes two days on-site to verify the information provided.
- This scope of work includes review of the Laboratory Fume Hood conditions and operation as it relates to means of egress, to include fire damper / smoke damper / fire-smoke damper review of smoke compartments and shafts.

Proposal for Fire Protection Engineering
TFC 10 HHSC Building Assessment, Dr. Bob Glaze Laboratory
4900 Lamar Blvd.
Austin, Texas 78751

- FPCG requests the current fire alarm program be downloaded and provided for review as part of this scope of work. The panel download should be performed by the Owner's qualified technician or by the licensed fire alarm company currently contracted for maintenance on the facility or holding warranty on the fire alarm panel.

Baseline Testing Services:

- In order to establish a baseline of the existing conditions and functionality of the existing smoke control systems, FPCG will witness a Testing and Balance Company (TAB) measure and record differential pressures from the existing Pressurized Stairwells to the corridor/ vestibules at each applicable level and airflow volumes at each injection point to the pressurized stairs.
- FPCG will witness TAB measure and record door opening forces and verify doors latch at each Pressurized Stairwell to the corridor at each applicable level.
- FPCG will examine documentation provided by TAB of all smoke control associated fans for correct rotation; measure and record capacity, voltage, amperage and revolutions per minute (RPM) and belt tensions.
- FPCG will witness and assist in the Functional Testing of Smoke Control Systems and Fire Alarm System with Client's TAB and Fire Alarm sub-contractor in both automatic and manual mode (Firefighter's Override mode), as they relate to the stair pressurization systems only. This includes verification of proper operation, sequence and response time of all fans, dampers, louvers, doors, etc. that function as part of the Smoke Control System. Functional Performance Testing results will be recorded and compiled into the Special Inspections Report and signed/sealed by a licensed Fire Protection Engineer.
- Full functional testing of the existing fire alarm system is included in this scope of work. Audibility, intelligibility, and witnessing of other required system testing performed by the Owner's fire alarm contractor will be documented and any deficiencies noted in the final report.
- The deliverables for this scope of work are:
    - One test plan for use by the Owner's selected TAB contractor
    - One test plan for use by the Owner's selected Fire Alarm contractor
    - One preliminary and one final report following all testing to include recommendations and opinion of cost for each recommendation.
    - One .xls spreadsheet Deficiency List with priority code and Opinion of Probable Cost using TFC standard format.
- This scope of work includes twelve (12) days on-site to witness the above testing. FPCG understands that testing will be performed on weekends or after-hours on select days only.
- Plans and specifications for required system modifications are not included in this scope of work. Should revisions to the existing systems be required for code compliance, a separate scope of work proposal will be issued once such scope is defined by this evaluation.
- FPCG has included up to four meetings in Austin, Texas as part of this scope of work.
    - Project kickoff, initial conditions review
    - Interim meeting to discuss significant findings
    - Follow-up meeting (if needed)
    - Final presentation of report and findings.

Proposal for Fire Protection Engineering
TFC 10 HHSC Building Assessment, Dr. Bob Glaze Laboratory
4900 Lamar Blvd.
Austin, Texas 78751

Smoke Control Design Rational Analysis:

- FPCG will prepare a Design Rational Analysis Report for compliance with the adopted codes and standards. This report is intended to enhance and document the design in the manner required for compliance with the applicable regulations as well as to provide calculations that identify the required pressurization air for each system. FPCG will prepare this report based upon the information provided by the Client. Systems included in this scope of work includes two stair pressurization systems.
- Computer Modeling: FPCG will utilize CONTAM to model the stairwells. Fan sizing may change from the existing based on this information. The DRA will include the CONTAM reports.

Client Provided Information:

- Copies, PDFs preferred, of the Original Mechanical "As-Built", and original Electrical "As-Built" to include any renovations since the original design.
- AutoCAD and REVIT files of the building current floorplans and Fire Alarm "As-Built" from the recent renovations and replacement.
- If available, FPCG will need to be provided with the following for this project: AutoCAD floor plans, site plans, reflected ceiling plans, section plans. FPCG will also need the existing design of the smoke control system fans, ductwork, controls, fire alarm systems, etc., and the complete original project specifications in PDF format.
- Access and escort familiar with the existing fire protection and life safety systems (stair pressurization, fire alarm, mechanical, BAS, etc.).
- If available, the most current test reports for all fire and life safety systems (smoke control, fire alarm, BAS, sprinkler, fire pump, mechanical (dampers), etc.).
- Hazardous materials inventory statements for each laboratory to include information sufficient to classify each lab per NFPA 45.

FEES

The fees shown below are based on the information available to FPCG at the time of this proposal and consider the expected level of complexity for the sites and facilities. Fees shown below include expenses for travel. All reports and documents are expected to be delivered in PDF format. Printing of reports or plans in hard copy is not included in this the fees below.

Life Safety Assessment	$	26,490.00
Fire Sprinkler / Fire Pump / Standpipe Services	$	NA
Smoke Control Analysis	$	8,250.00
Baseline Testing Services	$	37,800.00
Smoke Control Design Rational Analysis	$	20,575.00
Total	**$**	**93,115.00**

ADDITOINAL SERVICES AND EXCLUSIONS

Should services outside the above scope of work be requested, FPCG will prepare an additional services request for said work. Services not specifically identified above are excluded from the scope of this proposal. Services expressly excluded are: Attendance at meetings; attendance at site visits, pre-testing or AHJ testing; printing, delivery, or permitting of submittal.

Proposal for Fire Protection Engineering
TFC 10 HHSC Building Assessment
Dr. Bob Glaze Laboratory
4900 Lamar Blvd.
Austin, Texas 78751

Upon acceptance of these fees and services, FPCG requests a signed copy of this letter be returned to our office. Signature below also acknowledges and accepts the terms and conditions included herein. FPCG will not commence work prior to receiving written authorization. The fees and services in this agreement are valid for a period of thirty (30) days from the issue date.

FPCG appreciates the opportunity to provide these services for this project. If you have any questions, please do not hesitate to contact me by phone at (210) 858-2389 or by e-mail to gilead@firepcg.com.

Sincerely yours,

Gilead R. Ziemba

Gilead R. Ziemba, P.E., M.Sc.
Partner & Sr. Fire Protection Engineer

Client Authorization

I authorize Fire Protection Consulting Group, LLC to provide these services for the fees shown herein.

Signature _____ Date _____

Printed Name _____ Title _____

Firm Name _____

Acceptance of prposal is by exection of Assignment No. 2 to TFC Contract No. 18-044-000

H2MG Consulting Mechanical • Electrical • Plumbing Engineers

8000 W. IH 10, Suite 1002
San Antonio, Texas 78230-4449
(210) 298-3379
FAX (210) 478-9055

August 16, 2019 (Revised December 04, 2019)

Steve Moller, AIA
Project Manager, Architecture
ATKINS
11801 Domain Blvd. Suite 500
Austin, Texas 78758

Re: Phase II TFC 10 Buildings Project

Dear Steve,

GENERAL

HMG will perform engineering services generally described as providing design and engineering support for the fire alarm systems at the Austin based Texas Department of State Health Services (DSHS) Campus. This proposal is specifically for the Texas Department of State Health Services, Dr. Bob Glass Laboratory (DBGL) Building.

SCOPE

The following are the goals of the investigation and design:

1. Provide engineering support to the FPE.
2. Assist FPE with smoke control discovery. Namely the LEU's not shutting down when fire alarm shuts down air handling.
3. Assist FPE with assistance during the stairwell pressurization discovery and testing to provide recommendations on modifications if any.
4. Assist FPE with the test and balance during stairwell testing.
5. Provide for ten (10) meetings with TFC, FPCG, Atkins, and DSHS onsite.
6. Provide a written sequence of operation for the mechanical system during a fire event based on FPE's recommendation.
7. Provide five (5) site visits with reports.

DELIVERABLES

We anticipate the sequence of operation will be our only deliverable.

STAFFING (Major Roles)

Principal Engineer: William E Harris Jr, P.E.

I will be the engineer of record for mechanical and plumbing. My role will be to oversee ongoing mechanical and plumbing design work and then to review. I will not participate in Construction Administration other than to perhaps to answer questions.

Electrical Engineer: Ernesto Lopez Del Castillo, Jr., P.E.
Ernesto will be the engineer of record for electrical. Ernesto's role will be to oversee ongoing electrical design work and then to review. He will not participate in Construction Administration other than to perhaps to answer questions.

Project Manager: Thomas Irwin – Project manager
Tom will be acting as the project manager for this project from beginning to end. Tom will be intimately involved in all aspects of the field work, design, attending meetings, reviewing pay apps, RFI's, ETC, and finally as built drawings and close out. Tom will also be the lead mechanical designer and will report to Bill Harris concerning mechanical design.

Mechanical Designer: Bret Rinehart – Mechanical Designer
Bret will contribute to the mechanical design and will participate in CA.

Electrical Designer: Ted Eikenberry – Senior Electrical Designer
Ted will contribute to the electrical design and will participate in CA.

Plumbing Designer: George Bocanegra – Senior Plumbing Designer
George will be responsible for all plumbing design and will report to Bill Harris concerning plumbing design.

Administrative Assistant: Anissa Anderson – Specification Editor
Anissa will be the lead specifications editor and will assist the project manager on assembling all specifications and any other paperwork required for all deliverable packages.

Sr. CADD Operator: James Patterson – CADD/Revit Manager
James's role will be to set up the drawings in the beginning oversee and supervise the CADD drawings for accuracy, and then producing the documents and sending them out. He will participate in CA when required.

COMPENSATION
Refer to attached Exhibit 1.

SUB-CONSULTANTS
We do not anticipate needing any sub-consultants.

EXCLUSIONS
We are excluding the following:
1. Any architectural design.
2. Any sub consultants not mentioned in this proposal.
3. Any civil design.
4. Any roof design.
5. Any structural engineering.
6. Any design or investigation of building fire alarm systems.
7. Any security design.

8. Any HVAC design other than what is defined in the final report of Phase I.
9. Any lighting design other than what is defined in the final report of Phase I.
10. Any plumbing design other than what is defined in the final report of Phase I.
11. Test & balance pre-audit.
12. Detailed payback analysis.
13. Detailed cost estimate.
14. Asbestos abatement studies or planning.
15. LEED documentation.
16. Energy modeling.
17. Printing costs.

If there are any questions or comments, feel free to give us a call.

Sincerely,
H2MG, LLC

William E. Harris, Jr., P.E.
Member

WEH/ala

cc: Tom Irwin
Marc Hobbs

xc: G:\BUS-DEV - Proposals\202 - Atkins

EXHIBIT 1
DBGL
FPE Support

August 16, 2019 (Revised December 04, 2019)

COMPENSATION

1. We propose to accomplish the tasks as outline in our proposal for a lump sum fee of **Thirty Thousand Two Hundred Dollars ($30,200.00)**.

END

TEXAS Department of State Health Services

NFPA

Scope of Work per the perspective of Laboratory Services

How the following definitions are applied/met or not met & what steps are necessary to meet the following definitions and/or requirements when it is specific to a code & not a definition. The below are examples & not all inclusive of applicable Safety or Building Codes. Complete determination/establishment of what is *Technically Infeasible*, 101-3.3.285. Completion of a proposed design to meet all of the above for submission to the AHJ, 101.3.3226. Completion of determination/establishment of a *Verification Method* for meeting all the above, 101-3.3.296. Complete sufficient determination of the above to allow final development of *Facility Management and Operational Plans* by the Laboratory Services Section of the Department of State Health Services, 101-12.4.1.5.2. A sample of some of the applicable codes or definitions are bulleted below.

- Establishment of a Design Team for completing a Life Safety Evaluation 101-3.3.166 & 101-3.3.60
- Establishment of the types of occupancy applicable to the building design/use/function 101-3.3.196 various sub-sections which in turn can impact Occupant Characteristics 101-3.3.197
- Establishment & determination of how to meet 101-3.3.74
- Establishment & determination of how to meet & manage 101-3.3.80, 3.3.81, 3.3.82, & 3.3.83
- Establishment of smoke fire barrier separations between fire compartments such as between floors
- Operational design of stairwell pressurization systems
- Performance testing of stairwell pressurization systems design
- FAP alarm & shutdown sequence of FAP reported smoke or fire detection
- If exhaust is used for control of smoke; how does it meet the requirements of NFPA 92 for smoke control systems, (see above bullets for smoke fire barrier separations & stairwell pressurization)?
- All Fire & Smoke barriers need to be identified 101-3.3.32.1, 3.3.32.2, 101-3.3.266
- Identification of all fire smoke compartments 101-3.3.49.1, 3.3.49.2
- Compliance to definition of High-Rise Building 101-3.3.37.7

EXHIBIT B-2

LIST OF PSP'S PROJECT MANAGER AND SUBCONTRACTORS

LIST OF PSP PROJECT MANAGER AND SUBCONTRACTORS
(Name, Company Name, Address & Contact Person (Project Manager))

A. PSP Project Manager:		Steve Moller (Name) Atkins North America (Company) 11801 Domain Blvd. #500 Austin Texas 78758 (Address) 512 739 9755 (Cell #) stephen.moller@atkinsglobal.com (Email)
B. Subcontractors:		
	1.	Gilead Ziemba (Name) Fire Protection Consulting Group LLC (Company) 339 Sandalwood Lane, San Antonio Texas 78216 (Address) 210 835 8601 (Cell #) gilead@firepcg.com (Email)
	2.	William E. Harris (Name) H2MG LLC (Company) 8000 IH 10 suite 1002, San Antonio Texas 78230 (Address) 512 632 2381 (Cell #) bharris@hmg-associates.com (Email)
	3.	_____ (Name) _____ (Company) _____ (Address) _____ (Cell #) _____ (Email)
	4.	_____ (Name) _____ (Company) _____ (Address) _____ (Cell #) _____ (Email)